



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

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Mr. Ronald Blanchette
Nordic Village Resort
Route 16
Jackson, New Hampshire 03846

LETTER OF DEFICIENCY
WMB PBF 03-01
January 24, 2003

Dear Mr. Blanchette:

The Department of Environmental Services, Water Division ("DES") is required by RSA 485-A:26 to operate a program to ensure the health and safety of the public when using public bathing facilities such as pools and spas. To implement this program, DES has adopted administrative rules Env-Ws 1101-1105 to specify the design, operation, and maintenance requirements for public bathing facilities. DES reviews applications for new public bathing facilities and also inspects and tests the water in existing public bathing facilities to ensure that applicable requirements are being met.

On January 21, 2003, DES inspected the following public bathing facilities at the Nordic Village Resort, in Bartlett, NH: (a) the indoor pool, ("Indoor Pool"); (b) the indoor spa ("Indoor Spa"); (c) the outdoor spa ("Outdoor Spa"); and (d) the small outdoor pool ("Outdoor Pool").

During this inspection, the following deficiencies were noted:

A recommendation to close and drain the Indoor Spa was issued on January 22, 2003. The inspection on January 21, 2003 revealed that the Indoor Spa was in violation of Env-Ws 1103.14 and unsafe for public use. The following bacterial violation was observed in the Indoor Spa water:

- a. The maximum allowable concentration of non-coliform bacteria in public bathing facility water is two hundred counts per one hundred milliliters (200 CTS/100mL). The Indoor Spa water contained greater than 200 CTS/100mL.
2. A recommendation to super chlorinate the Outdoor Pool was issued on January 22, 2003. The inspection on January 21, 2003 revealed that the Outdoor Pool was in violation of Env-Ws 1103.14 and unsafe for public use. The following bacterial violation was observed in the Outdoor Pool water:
 - a. The maximum allowable concentration of non-coliform bacteria in public bathing facility water is two hundred counts per one hundred milliliters (200 CTS/100mL). The Outdoor Pool water contained greater than 200 CTS/100mL.
3. Env-Ws 1103.15(c) requires a bromine concentration between 2.0 mg/L and 4.0 mg/L in public pool water. The bromine concentration of the Indoor Pool water was 12.0 mg/L on January 21, 2003.
4. Env-Ws 1103.16(e) requires a free residual chlorine concentration between 2.0 mg/L and 5.0 mg/L in public spa water, with an absolute maximum of 10 mg/L chlorine. The chlorine concentration of the Outdoor Spa water was approximately 16 mg/L on January 21, 2003.
5. Pursuant to Env-Ws 1103.16(a), disinfection of spa water shall be achieved by continuous feed equipment. The Indoor Spa is currently being disinfected by hand feeding.
6. Env-Ws 1104.04(a) requires the following safety devices to be present at all public pools: (1) a light strong pole not less than 12 feet long, including a body hook, and (2) a minimum one-fourth inch diameter throwing rope as long as one and one-half times the maximum width of the pool or 50 feet, whichever is less, to which has been firmly attached a ring buoy with an outside diameter of approximately 15 inches or a similar flotation device. The ring buoy did not have a throwing rope.

Env-Ws 1105.01(j) requires a rope with attached floats a ("breakpoint safety line") to be placed across public pools over the break in depth between the shallow and deep portions of the pool. A breakpoint safety line was not present in the Indoor Pool at the time of the inspection.

8. Pursuant to Env-Ws 1104.03(d)(7), a clock shall be visible from all public spas. A functioning clock was not visible from the Outdoor Spa at the time of the inspection.
9. Env-Ws 1104.03(e)(1) states that the depth of water in feet shall be plainly and conspicuously marked at or above the water line on the vertical pool wall and on the top of the coping or edge of the deck or walk next to the pool. The Indoor Pool depth was not marked on the deck of the Indoor Pool.

A report outlining how compliance will be achieved with the cited deficiencies should be submitted to DES within 30 calendar days from receipt of this letter. The report should include the following:

1. A copy of two weeks of water quality test results for all facilities (please do not send originals).
2. The type, manufacture, and model of the chlorine/bromine feeder to be installed.

A timetable of when:

- a. the safety items will be in place;
- b. the depth will be marked; and
- c. the installation of the chlorine/bromine feeder will be completed.

DES personnel will conduct another inspection at a later date to determine whether you have come into, and are maintaining, full compliance with RSA 485-A:26 and Env-Ws 1101-1105. After a violation of Env-Ws 1103.14, the facility will be required to pass two inspections in the following months. In the event that compliance is not achieved, DES may take further action, including seeking an administrative fine up to \$2,000 for each offense or referring the case to the NH Attorney General's Office for judicial action.

We appreciate your cooperation in this matter. Please contact Amy Wilson at (603) 271-7108 if you have any questions regarding this letter. Copies of Env-Ws 1101-1105 are available through the DES Public Information Center at (603) 271-2975 or via the Internet at <http://www.des.state.nh.us/pools/env1100.pdf>.

Sincerely

Jody Connor
Limnology Center Director

Certified Mail # 7000 1670 0000 0585 9176

cc: ✓ Mark Harbaugh, Enforcement Attorney, DES
Amy Wilson, Public Bathing Facility Coordinator, DES
Gene Chandler, Health Officer, Town of Bartlett